

Amendments to the Drawings

The attached drawing includes changes to Fig. 13. This sheet, containing only Fig. 13, replaces the original sheet including only Fig. 13. In Fig. 13, the word "T_CACHE" in eight instances was erroneously spelled "T_CASH."

Attachment: Replacement Sheet

Annotated Sheet Showing Changes

REMARKS/ARGUMENTS

Claims 1-39 are pending in this application. Claims 1, 3-8 and 12-15 have been rejected. Claims 16-39 have been allowed. Claims 2 and 9-11 have been objected to, but are indicated as allowable if rewritten in independent form.

In amended Figure 13, the eight occurrences of the word "T_CASH" have been changed to the word "T_CACHE." No new matter has been added.

By this amendment, Claim 1 has been cancelled and Claim 2 has been rewritten in independent form, including all the limitations of base Claim 1. Claims 3-7 have been amended to depend from amended Claim 2. Claims 40 and 41 have been added, corresponding to previous Claims 12 and 13, but now depending from Claim 2. Claim 9 has also been rewritten in independent form, including all the limitations of base Claim 1. Claims 12 and 13 have been amended to depend from amended Claim 9. Claim 37 has been amended to correct a typographical error. Thus these claims should all be allowable.

Claims 14 and 15 have been amended, adding, *inter alia*, a third field for indicating, independently of the first field, valid/invalid of the second field and a type of the preparation information.

Claim 42 has been added. Claim 42 corresponds with original Claim 1, but now also recites a third field for indicating independently of the first field, valid/invalid of the second field and a type of the preparation information. Claims 43 – 54 have been added, corresponding with previously presented claims 2-13, which had previously depended from Claim 1.

Claim 55 has been added. Claim 55 corresponds with previously presented Claim 16, but now also recites, *inter alia*, a third field for indicating, independently of the first field, valid/invalid of the second field and a type of the preparation information.

Claim 56 has been added. Claim 56 corresponds with previously presented Claim 31, but now also recites, *inter alia*, a third field for indicating, independently of the first field, valid/invalid of the second field and a type of the preparation information.

Concurrent with this Response, Applicant has submitted a Supplemental Information Disclosure Statement containing Japanese Publication No. S50-92058, and an English language translation thereof. This reference was cited in a second examination report of a corresponding Japanese patent application.

The following discussion pertains to Claims 14, 15, 42, 55 and 56, and the third field for indicating, independently of the first field, valid/invalid of the second field and a type of the preparation information..

The third field indicates not only valid/invalid of the second field but also the type of the preparation information. The type of the preparation information includes such as shown in Fig. 2 and page 15 line 2 to page 16 line 9 of the instant application. In addition, latency between the content in the X field (first field) and the content in the Y field (second field) is not limited to one-clock as shown in page 17 line 15 to line 28.

The third field is required for effective independency between the first field and the second field. If the instruction set has only the first field and the second field, the relationship between the first field and the second field is relatively fixed, since the decoders shall decode each field as predetermined rule. However, by the third field, the decoder, in this case the decoder for the second field, can decode the second field according to the third field variably, as shown in line 19 to 24 of page 18. Therefore, one can describe many types of preparation information in the second field independently from the first field.

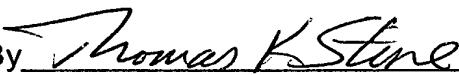
In Trimberger, the instruction set has the two fields. One is a CPCODE 123 and the other is a CONFIG ID 124. It is our understanding that the Examiner considers the CPCODE 123 and the CONFIG ID 124 in the same instruction set as independent. However, as shown in the Trimberger, col. 6, lines 33 to 65, the OPCODE 123 and the CONFIG ID 124 in the same instruction set are to be operated in the same cycle. It is our understanding that the Examiner recognized this dependency, since the Examiner indicated the allowability of the original claim 2 of this application which claims cycle (time) independency.

In the Japanese publication S50-92058, the instruction set has the operation instruction portion (OP) and the effective address portion (EA). In addition, the instruction set has n(th) OP and n+1(th) EA that would be used with n+1(th) OP. However, the instruction set of S50-02058 has only the OP and the EA, and there is no idea or suggestion of the third field. Namely, the relationship between the OP and EA is fixed in the rule that the EA of the instruction set indicates the effective address of the OP of the next instruction set. In this meaning, the OP and the EA are not independent. Therefore, the processing apparatus can decode the instructions using only the OP and the EA.

For the foregoing reasons, the Applicant requests allowance of the Claims at issue.

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Respectfully submitted,

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Fig. 13

